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THE UNIVERSITY OF KANSAS SPACE TECHNOLOGY CENTER

Raymond Nichols Hall

2291 Irving Hill Drive—Campus West Lawrence, Kansas 66045

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LANDSAT-2 QUARTERLY REPORT  
INVESTIGATION NO. 2312B

January 10, 1977

E77-10075

NASA.CR-149441

Mr. James Broderick  
NASA/Goddard Space Flight Center  
Code 902  
Greenbelt, MD 20771

Dear Mr. Broderick:

This is a short quarterly report concerning work in progress  
on contract #NAS 5-20943, Technical Report 286-4.

We are continuing to explore the first order phenological dis-  
crimination for four LACIE test sights. We have completed the  
generation of two category signatures from each of Morton, Finney,  
Rice, and Saline counties. The results from the phenological  
discrimination process are being compared to both a first and  
second order Bayes rule. We expect the initial results to indicate  
that the first order phenological rule is better than a first order  
Bayes rule but worse than a second order Bayes rule.

In the forthcoming weeks, we will be completing the phenological  
discrimination on the four test sites and looking at the discrep-  
ancies between the first order Bayes, second order Bayes, and first  
order phenological rules.

Sincerely,

Gary J. Minden  
Research Engineer

GJM:le

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REMOTE SENSING LABORATORY

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(E77-10075) [PHENOLOGICAL DISCRIMINATION  
FOR FOUR LACIE TEST SIGHTS] Quarterly  
Report (Kansas Univ.) 1 F HC 492/MF 491